

ACT Profile Report - State

Graduating Class 2012
Missouri



ACT, INC. -- CONFIDENTIAL

Table of Contents

Section I: Executive Summary	Page 5
Percent of Your Students Ready for College-Level Coursework	
Five Year Trends—Percent of Students Meeting College Readiness Benchmarks	
Five Year Trends—Average ACT Scores	
Five Year Trends—Average ACT Scores by Level of Preparation	
Five Year Trends—Percent and Average Composite Score by Race/Ethnicity	
Percent of Students in College Readiness Standards Score Ranges	
Section II: Academic Achievement	Page 11
ACT Score Distributions, Cumulative Percentages, Averages, and Quartile Values	
Average ACT Composite Scores for Race/Ethnicity by Level of Preparation	
Average ACT Scores by Race/Ethnicity	
Percent of Students in College Readiness Standards Score Ranges	
Average ACT Scores by Gender	
Percent of Students Meeting College Readiness Benchmark Scores by Gender	
College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum	
College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum	
Section III: College Readiness & Impact of Course Rigor	Page 17
Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity	
Average ACT Scores and Average ACT Score Changes by Common Course Patterns	
College Readiness Percents by Common Course Patterns	
Section IV: Career and Educational Aspirations	Page 25
Distribution of Planned Educational Majors for All Students by College Plans	
Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations	
Students' Score Report Preferences at Time of Testing	
Section V: Optional Writing Test Results	Page 29
Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing	

This report provides information about the performance of your 2012 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2012 and tested under standard time conditions.

This report focuses on:

Performance - student test performance in the context of college readiness

Access - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

College Readiness - percent of students meeting ACT College Readiness Benchmark Scores in each content area

Awareness - extent to which student aspirations match performance

Articulation - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Furthermore, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students meeting or exceeding ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

The ACT is a curriculum-based measure of college readiness. ACT components include:

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

The ACT:

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at www.act.org/standard/infoserv.html.

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

27% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT: 49,222 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

MAKING CORE CURRICULUM A PRIORITY: Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 72% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES: Table 3.2 reports 7% of the cohort took less than three years of math courses. Of these students, 8% were college ready. 15% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 12% of these students were college ready. In comparison, 56% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 17% of the cohort took less than three years of natural science courses. 18% of these students were college ready. In comparison, 37% of students who took at least three years of science coursework were college ready.

EVALUATING RIGOR OF COURSES: Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 45% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at www.act.org/standard.

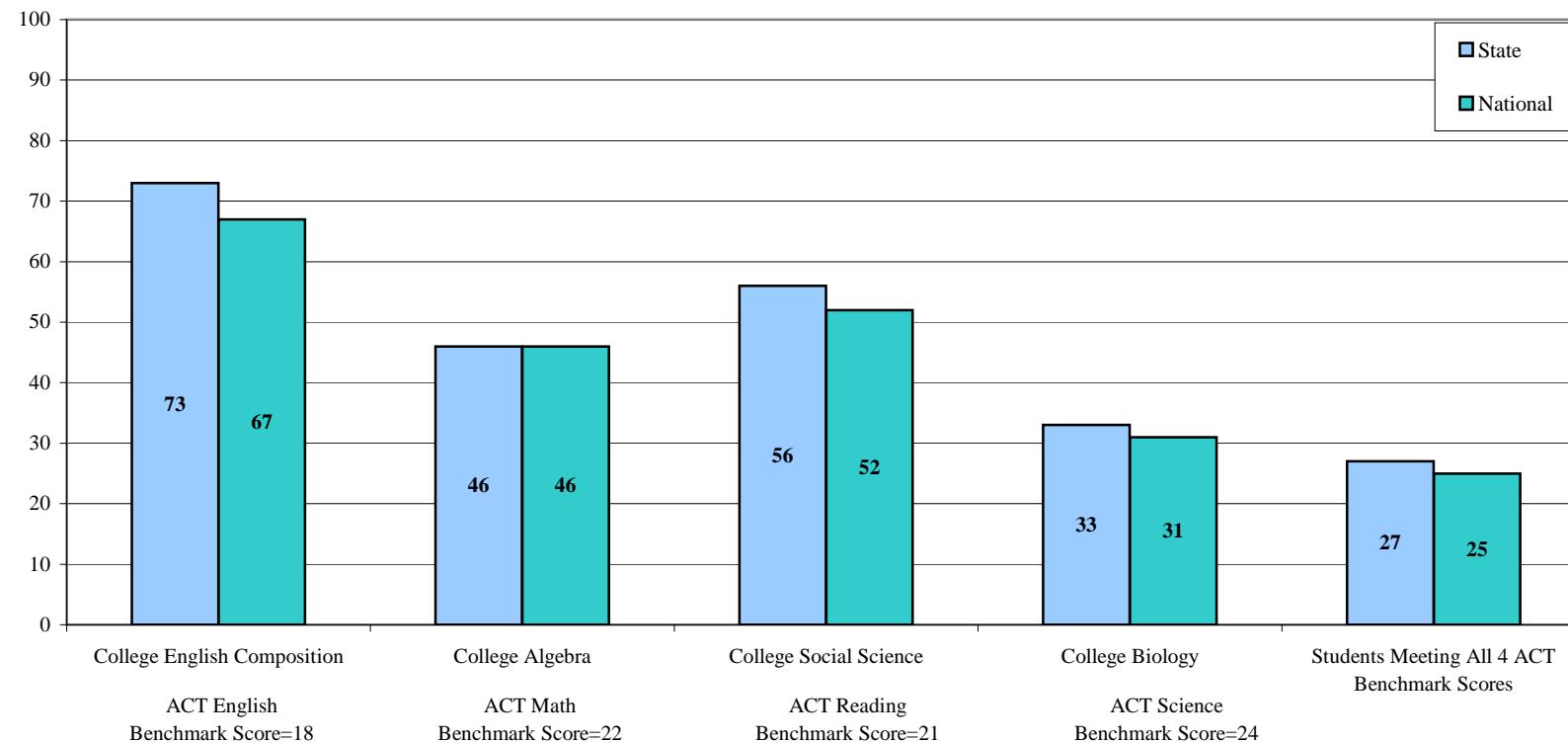
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS: Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 847-634-2560.

Section I

Executive Summary

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Figure 1.1. Percent of Your Students Ready for College-Level Coursework

A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.

Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks

Year	Number of Students Tested		Percent Meeting Benchmarks									
	State National		English State National		Mathematics State National		Reading State National		Science State National		Meeting All Four State National	
2008	47,240	1,421,941	73	68	42	43	57	53	31	28	24	22
2009	46,923	1,480,469	73	67	42	42	57	53	32	28	25	23
2010	48,290	1,568,835	73	66	44	43	57	52	32	29	26	24
2011	48,565	1,623,112	73	66	44	45	56	52	32	30	26	25
2012	49,222	1,666,017	73	67	46	46	56	52	33	31	27	25

Table 1.2. Five Year Trends—Average ACT Scores

Year	Number of Students Tested		Average ACT Scores									
	State National		English State National		Mathematics State National		Reading State National		Science State National		Composite State National	
2008	47,240	1,421,941	21.4	20.6	21.0	21.0	22.0	21.4	21.4	20.8	21.6	21.1
2009	46,923	1,480,469	21.5	20.6	20.9	21.0	22.1	21.4	21.5	20.9	21.6	21.1
2010	48,290	1,568,835	21.5	20.5	21.0	21.0	22.0	21.3	21.6	20.9	21.6	21.0
2011	48,565	1,623,112	21.5	20.6	21.0	21.1	21.9	21.3	21.6	20.9	21.6	21.1
2012	49,222	1,666,017	21.4	20.5	21.1	21.1	21.9	21.3	21.5	20.9	21.6	21.1

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested		Average ACT Scores									
	State National		English		Mathematics		Reading		Science		Composite	
2008	1,421,941		20.6		21.0		21.4		20.8		21.1	
2009	1,480,469		20.6		21.0		21.4		20.9		21.1	
2010	1,568,835		20.5		21.0		21.3		20.9		21.0	
2011	1,623,112		20.6		21.1		21.3		20.9		21.1	
2012	1,666,017		20.5		21.1		21.3		20.9		21.1	

Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation

Year	Number of Students Tested		Percent ²		English		Mathematics		Reading		Science		Composite	
	Core or More ¹	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2008	27,219	15,728	58	33	22.9	19.7	22.2	19.4	23.2	20.7	22.5	20.1	22.8	20.1
2009	30,628	13,914	65	30	22.9	19.6	22.0	19.2	23.2	20.6	22.5	20.0	22.8	20.0
2010	34,047	12,456	71	26	22.6	19.5	21.9	19.2	22.9	20.3	22.4	20.1	22.6	19.9
2011	34,732	12,783	72	26	22.5	19.5	21.8	19.1	22.6	20.3	22.3	20.0	22.4	19.9
2012	35,618	12,924	72	26	22.3	19.4	21.8	19.2	22.6	20.2	22.2	19.9	22.3	19.8

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

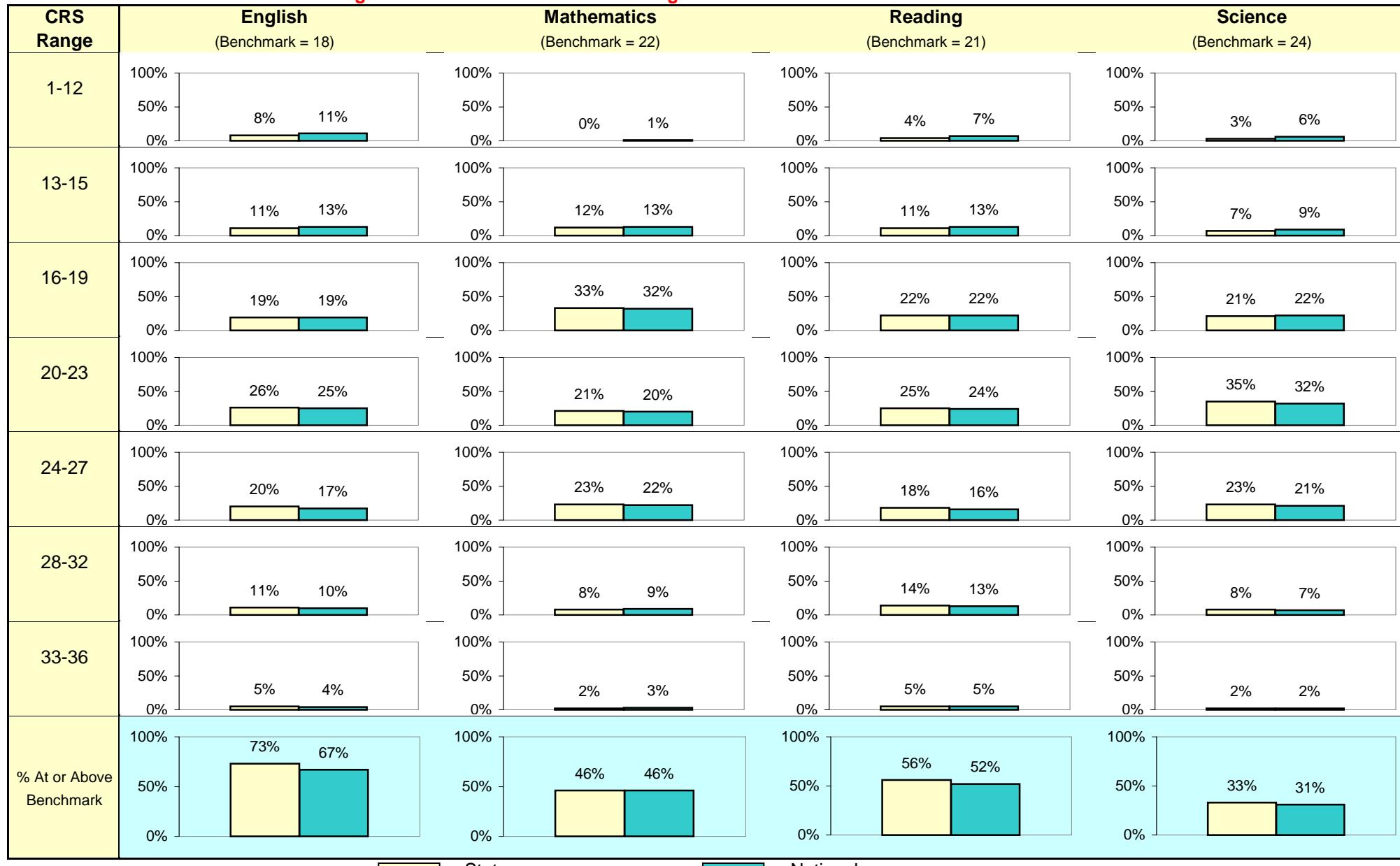
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity¹

	2008			2009			2010			2011			2012		
	N	%	Avg												
All Students	47,240	100	21.6	46,923	100	21.6	48,290	100	21.6	48,565	100	21.6	49,222	100	21.6
Black/African American	5,190	11	17.2	5,446	12	17.2	5,829	12	17.2	6,366	13	17.2	6,253	13	17.1
American Indian/Alaska Native	278	1	20.1	258	1	20.3	344	1	20.7	240	0	20.5	218	0	19.6
White	35,534	75	22.3	35,874	76	22.4	37,044	77	22.4	36,368	75	22.5	36,303	74	22.4
Hispanic/Latino	1,056	2	20.4	1,066	2	20.2	1,241	3	20.2	1,707	4	20.1	2,033	4	20.2
Asian	873	2	23.0	849	2	23.8	949	2	23.5	974	2	23.5	978	2	23.3
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	55	0	19.3	87	0	19.7
Two or more races	668	1	21.0	805	2	21.1	922	2	21.1	1,227	3	20.9	1,634	3	21.2
Prefer not to respond/No response	3,641	8	21.1	2,625	6	20.1	1,961	4	20.2	1,628	3	21.4	1,716	3	22.0

¹Refer to the section header on page 5 for a description of race/ethnicity changes.

Table 1.6. Percent of Students in College Readiness Standards Score Ranges



This page intentionally left blank.

Section II

Academic Achievement

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 49,222

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	204	100	119	100	397	100	201	100	29	100	36
35	745	100	250	100	455	99	251	100	128	100	35
34	919	98	352	99	747	98	188	99	292	100	34
33	814	96	463	99	1,049	97	309	99	467	99	33
32	876	95	521	98	1,149	95	488	98	659	98	32
31	981	93	428	97	1,490	92	609	97	976	97	31
30	1,208	91	706	96	1,351	89	791	96	1,048	95	30
29	1,164	88	929	94	1,448	87	831	94	1,285	93	29
28	1,191	86	1,453	92	1,514	84	1,309	93	1,721	90	28
27	2,102	84	1,996	89	1,698	80	2,127	90	2,043	87	27
26	2,004	79	2,718	85	1,816	77	1,958	86	2,226	82	26
25	2,300	75	2,886	80	1,979	73	2,976	82	2,801	78	25
24	3,391	71	3,638	74	3,190	69	4,370	76	3,243	72	24
23	2,793	64	3,134	67	2,582	63	3,886	67	3,277	66	23
22	3,070	58	2,819	60	2,901	58	3,942	59	3,570	59	22
21	3,857	52	1,670	54	3,960	52	4,553	51	3,917	52	21
20	3,277	44	2,703	51	3,085	44	4,796	42	3,704	44	20
19	2,745	37	2,875	46	2,642	37	2,995	32	3,531	36	19
18	2,101	32	3,612	40	3,693	32	3,462	26	3,291	29	18
17	1,930	27	4,294	32	2,335	25	2,167	19	2,989	22	17
16	2,435	23	5,703	24	2,181	20	1,666	14	2,465	16	16
15	2,419	19	3,889	12	2,186	15	1,423	11	1,982	11	15
14	1,854	14	1,360	4	1,853	11	1,158	8	1,597	7	14
13	999	10	539	1	1,312	7	1,058	6	1,131	4	13
12	956	8	95	1	1,238	4	693	3	584	2	12
11	959	6	51	1	538	2	448	2	213	1	11
10	836	4	12	1	269	1	370	1	41	1	10
9	485	2	4	1	96	1	135	1	10	1	9
8	385	1	1	1	28	1	32	1	2	1	8
7	156	1	1	1	28	1	15	1	0	1	7
6	45	1	1	1	11	1	9	1	0	1	6
5	16	1	0	1	0	1	1	1	0	1	5
4	4	1	0	1	1	1	2	1	0	1	4
3	1	1	0	1	0	1	1	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	2	1	0	1	1
Avg (SD)	21.4 (6.2)		21.1 (5.0)		21.9 (6.0)		21.5 (4.9)		21.6 (5.0)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subtest Score Averages

ACT Scale Score	English				Reading				Mathematics				ACT Scale Score		
	Usage/ Mechanics		Rhetorical Skills		Social Studies/ Sciences		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry		
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	2,092	100	783	100	1,386	100	1,547	100	2,008	100	427	100	500	100	18
17	2,458	96	899	98	2,539	97	2,326	97	2,102	96	256	99	95	99	17
16	2,528	91	3,328	97	3,241	92	2,950	92	1,246	92	1,207	99	1,431	99	16
15	2,029	86	3,444	90	2,802	85	3,042	86	2,827	89	1,841	96	2,371	96	15
14	3,358	81	3,855	83	3,296	80	3,613	80	3,330	83	4,146	92	3,757	91	14
13	2,383	75	4,694	75	4,381	73	3,835	73	5,312	77	5,813	84	4,135	83	13
12	4,129	70	5,679	65	5,858	64	4,334	65	4,775	66	4,637	72	6,361	75	12
11	5,187	61	5,863	54	4,161	52	4,202	56	4,779	56	6,747	63	5,291	62	11
10	5,769	51	4,425	42	4,831	44	4,609	47	4,315	46	7,285	49	6,904	51	10
9	4,736	39	5,627	33	4,717	34	4,786	38	3,677	38	6,687	34	6,169	37	9
8	3,720	30	3,662	22	3,981	24	4,486	28	5,520	30	4,973	21	4,967	25	8
7	3,601	22	2,615	14	4,525	16	3,083	19	5,393	19	2,335	11	3,390	15	7
6	2,821	15	1,536	9	1,765	7	3,037	13	2,337	8	1,287	6	2,072	8	6
5	1,931	9	1,377	6	1,047	4	2,034	7	990	3	863	3	402	4	5
4	1,201	5	1,011	3	459	1	745	3	381	1	283	1	949	3	4
3	884	3	348	1	160	1	474	1	176	1	243	1	87	1	3
2	364	1	75	1	61	1	114	1	50	1	55	1	259	1	2
1	31	1	1	1	12	1	5	1	4	1	137	1	82	1	1
Avg (SD)	10.7 (3.8)		11.1 (3.3)		11.2 (3.5)		10.9 (3.7)		11.0 (3.5)		10.7 (2.8)		10.5 (2.9)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.**Table 2.3. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	25	25	26	24	25
Q2 (50th Percentile)	21	20	21	21	21
Q1 (25th Percentile)	17	17	18	18	18

Table 2.4. Average ACT Composite Scores for Race/Ethnicity¹ by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ²	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	49,222	72	22.3	19.8
	Black/African American	6,253	73	17.5	16.3
	American Indian/Alaska Native	218	72	20.3	18.0
	White	36,303	72	23.2	20.4
	Hispanic/Latino	2,033	70	20.9	19.0
	Asian	978	81	23.8	21.2
	Native Hawaiian/Other Pac. Isl.	87	70	20.6	17.8
	Two or more races	1,634	72	21.8	19.8
	Prefer not/No Response	1,716	74	22.9	19.8
National	All Students	1,666,017	76	21.8	19.1
	Black/African American	222,237	72	17.5	15.9
	American Indian/Alaska Native	13,523	66	19.3	16.9
	White	983,148	77	23.0	20.3
	Hispanic/Latino	234,456	73	19.5	17.4
	Asian	68,080	81	24.1	21.8
	Native Hawaiian/Other Pac. Isl.	4,545	74	20.4	18.3
	Two or more races	55,500	76	22.0	19.6
	Prefer not/No Response	84,528	68	22.5	19.2

¹Refer to the section header on page 11 for a description of race/ethnicity changes.²"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.**Table 2.5. Average ACT Scores by Race/Ethnicity¹**

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	21.4	21.1	21.9	21.5	21.6
	Black/African American	16.2	17.1	17.2	17.5	17.1
	American Indian/Alaska Native	18.6	19.3	20.2	20.0	19.6
	White	22.4	21.7	22.8	22.2	22.4
	Hispanic/Latino	19.7	19.8	20.5	20.4	20.2
	Asian	22.6	24.5	22.4	23.3	23.3
	Native Hawaiian/Other Pac. Isl.	18.9	19.6	19.5	20.0	19.7
	Two or more races	21.1	20.4	21.6	21.1	21.2
	Prefer not/No Response	22.1	21.3	22.5	21.6	22.0
National	All Students	20.5	21.1	21.3	20.9	21.1
	Black/African American	16.0	17.3	17.2	17.2	17.0
	American Indian/Alaska Native	17.1	18.5	18.7	18.7	18.4
	White	22.1	22.1	22.7	22.1	22.4
	Hispanic/Latino	17.7	19.4	19.0	18.9	18.9
	Asian	22.7	25.2	22.9	23.2	23.6
	Native Hawaiian/Other Pac. Isl.	18.9	20.4	19.8	19.7	19.8
	Two or more races	21.0	21.1	21.8	21.2	21.4
	Prefer not/No Response	20.7	21.3	21.5	20.9	21.3

¹Refer to the section header on page 11 for a description of race/ethnicity changes.

Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	2,682	5	1,184	2	2,648	5	949	2
	28 to 32	5,420	11	4,037	8	6,952	14	4,028	8
	24 to 27	9,797	20	11,238	23	8,683	18	11,431	23
	20 to 23	12,997	26	10,326	21	12,528	25	17,177	35
	16 to 19	9,211	19	16,484	33	10,851	22	10,290	21
	13 to 15	5,272	11	5,788	12	5,351	11	3,639	7
	01 to 12	3,843	8	165	0	2,209	4	1,708	3
National	33 to 36	74,039	4	50,719	3	81,737	5	30,082	2
	28 to 32	167,405	10	149,540	9	223,134	13	123,485	7
	24 to 27	291,143	17	369,818	22	262,453	16	355,144	21
	20 to 23	414,094	25	332,787	20	399,794	24	532,341	32
	16 to 19	318,585	19	538,042	32	366,975	22	373,233	22
	13 to 15	210,405	13	216,778	13	220,083	13	158,083	9
	01 to 12	190,346	11	8,333	1	111,841	7	93,649	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	22,572	46	21.2	21.7	21.9	22.2	21.9
	Females	26,620	54	21.7	20.5	21.9	21.0	21.4
	Missing	30	0	16.0	17.9	17.6	18.7	17.7
National	Males	761,554	46	20.2	21.7	21.2	21.4	21.2
	Females	900,625	54	20.9	20.6	21.4	20.5	21.0
	Missing	3,838	0	16.1	17.8	17.6	17.8	17.5

Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender

Student Group	Gender	Percent of Students					Meet All Four
		English	Mathematics	Reading	Science	All Four	
State	Males	71	51	56	39	31	
	Females	74	41	57	28	23	
National	Males	64	50	51	35	29	
	Females	69	42	53	27	22	

Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
State	Core or More ²	35,618	78	22.3	52	21.8	61	22.6	38	22.2	32	22.3
	Less than Core	12,924	61	19.4	28	19.2	44	20.2	20	19.9	15	19.8
	Missing ³	680	37	16.0	16	17.3	25	17.4	12	17.6	8	17.2
National	Core or More	1,259,744	72	21.3	51	21.8	57	22.0	35	21.6	29	21.8
	Less than Core	355,849	51	18.3	29	19.1	38	19.4	19	19.1	14	19.1
	Missing	50,424	38	16.2	22	18.1	27	17.6	14	17.8	10	17.6

¹ "Curriculum Taken" reflects overall high school curriculum in this table.² "Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.³ Zero years or no coursework information reported in one or more content areas.⁴ Composite CRB% results reflect students who meet all four subject-area benchmarks.**Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum**

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More ²	46,621	74	21.7	45,389	49	21.4	45,733	57	22.0	40,191	37	22.0
	Less than Core	2,120	53	18.1	3,229	8	16.7	2,981	48	20.9	8,510	18	19.7
	Missing ³	481	39	16.3	604	17	17.4	508	26	17.6	521	13	17.8
National	Core or More	1,558,562	68	20.8	1,550,768	48	21.4	1,471,658	54	21.6	1,425,217	33	21.4
	Less than Core	64,748	41	16.5	69,741	8	16.6	149,266	40	19.7	194,661	13	18.4
	Missing	42,707	40	16.5	45,508	22	18.2	45,093	29	17.8	46,139	14	17.9

¹ "Curriculum Taken" reflects content-specific curriculum in this table.² "Core or More" results correspond to students taking four or more years of English or three or more years of math, social studies, or natural science, respectively.

For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the

Impact of Course Rigor

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

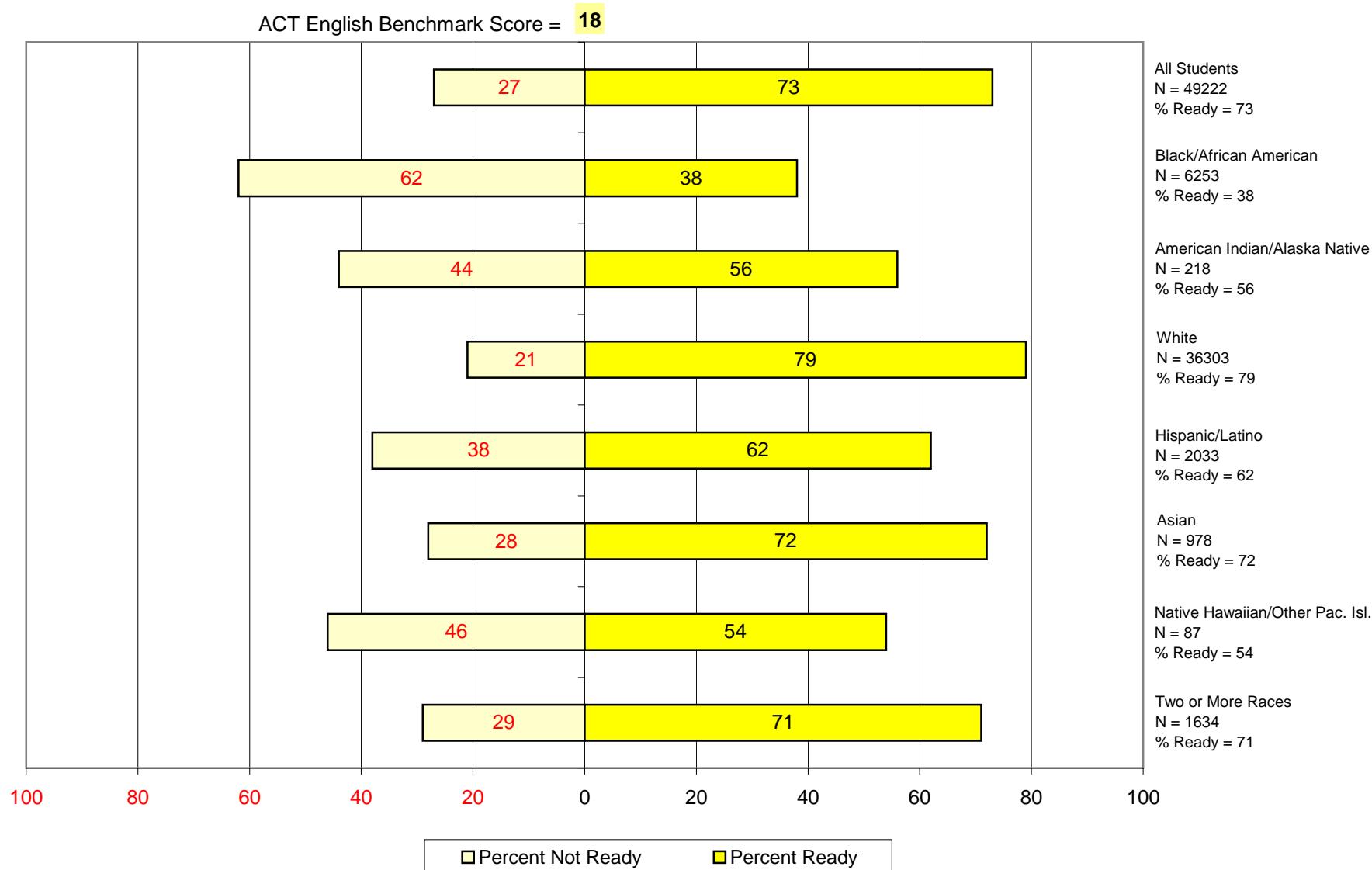
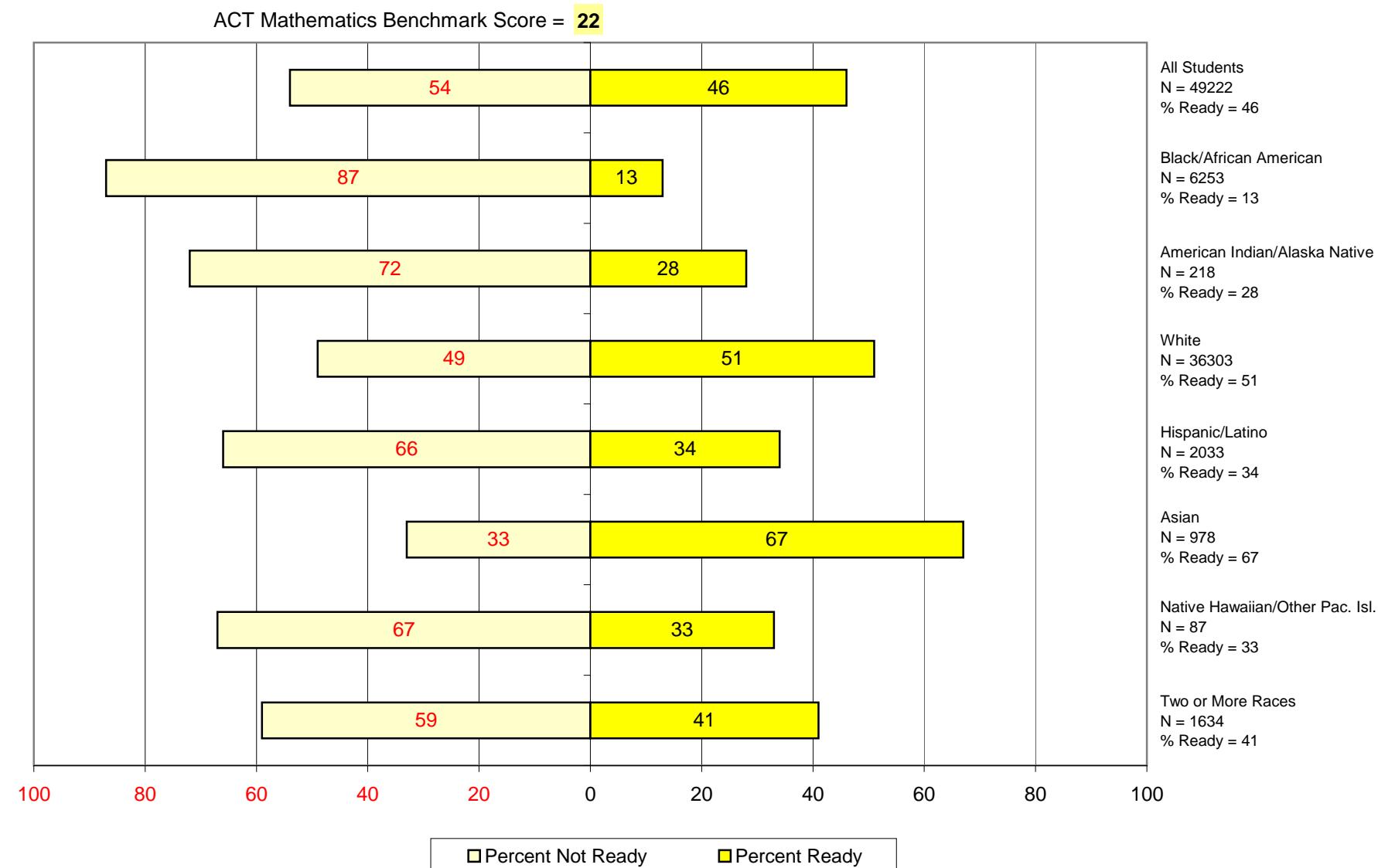
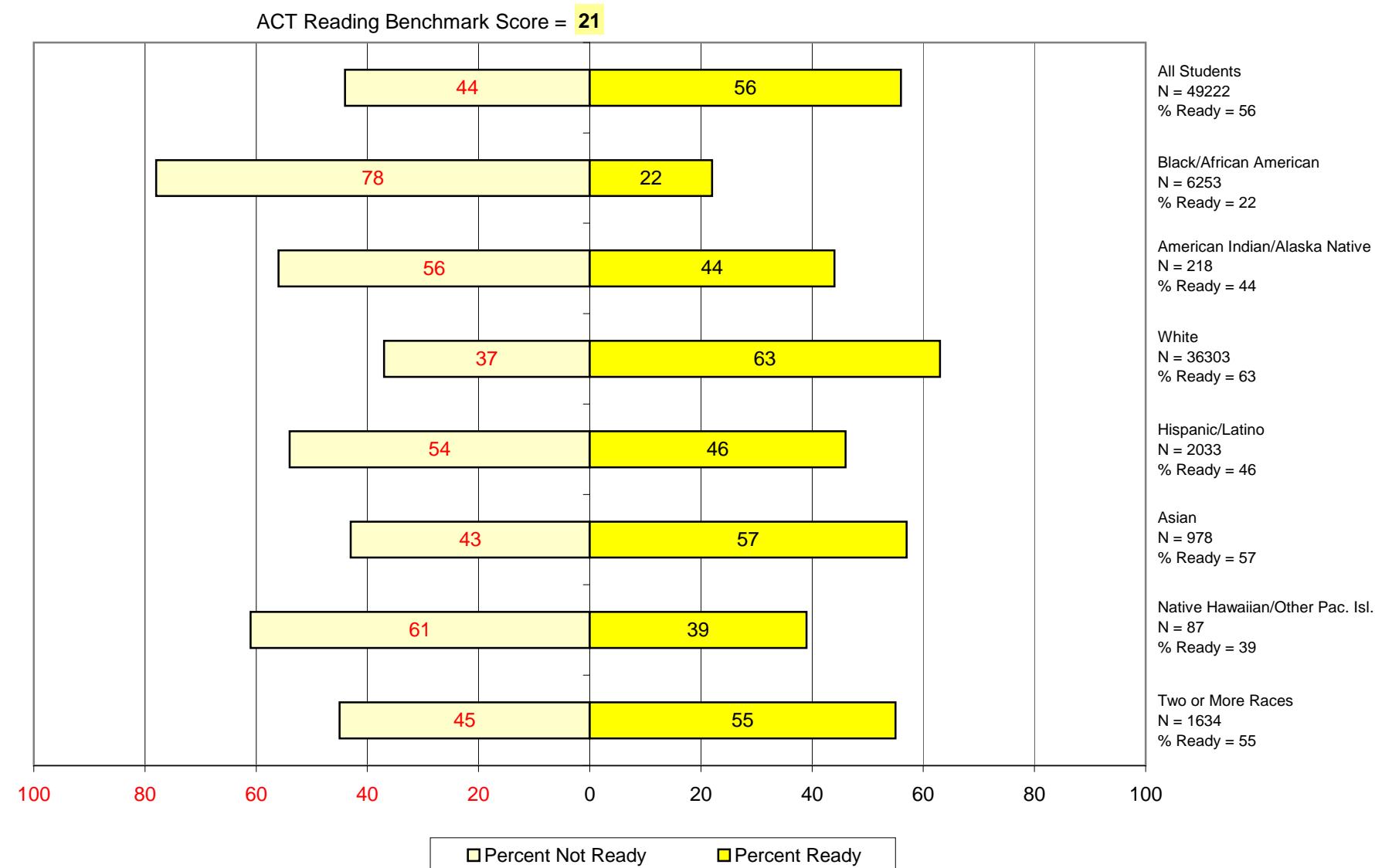
Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ENGLISH¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: MATHEMATICS

¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: READING

¹Refer to the section header on page 17 for a description of race/ethnicity changes.

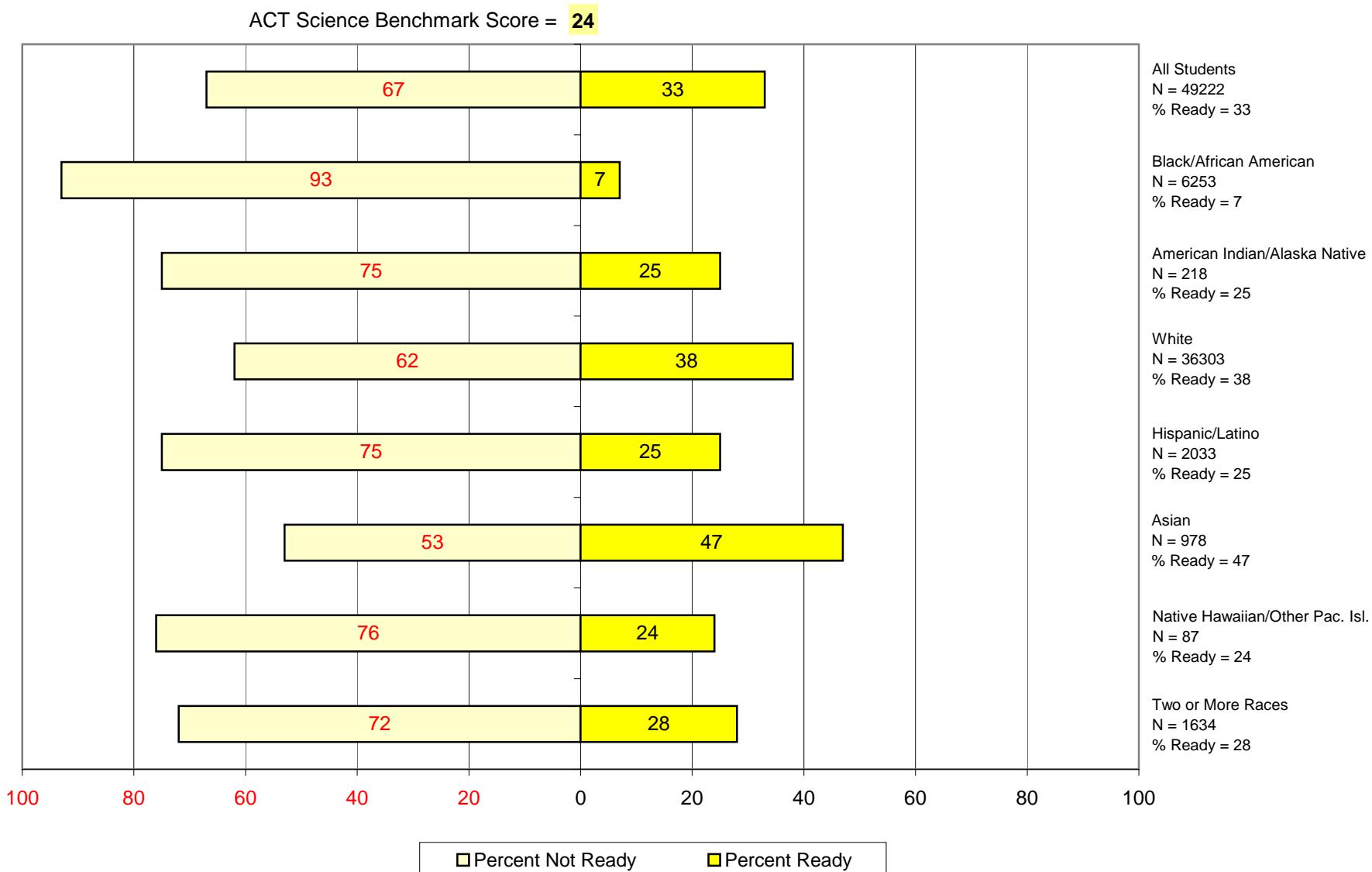
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: SCIENCE¹Refer to the section header on page 17 for a description of race/ethnicity changes.

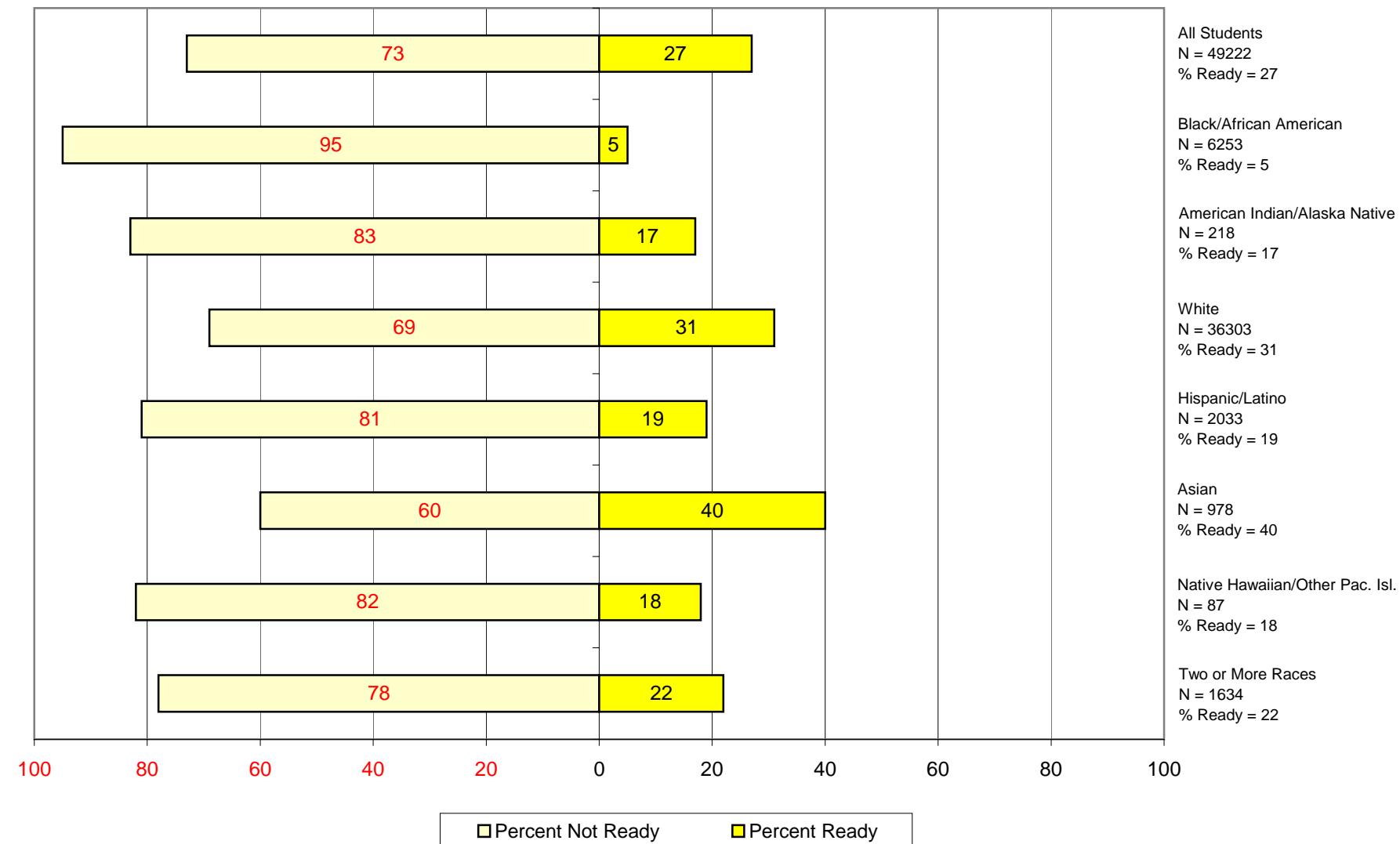
Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ALL FOUR¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹
ENGLISH COURSE PATTERN												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	15,603	32	22.3	4.2	6,242	28	21.9	4.1	9,358	35	22.6	4.2
Eng 9, Eng 10, Eng 11, Eng 12	31,018	63	21.3	3.2	15,014	67	21.2	3.4	15,991	60	21.5	3.1
Less than 4 years of English	2,120	4	18.1	-	1,020	5	17.8	-	1,093	4	18.4	-
Zero years / no English courses reported	481	1	16.3	-	296	1	15.9	-	178	1	16.9	-
MATHEMATICS COURSE PATTERN	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹
Alg 1, Alg 2, Geom, Trig, & Calc	2,451	5	23.9	7.2	1,167	5	24.7	7.8	1,283	5	23.1	6.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,751	12	22.4	5.7	2,227	10	23.0	6.1	3,523	13	22.1	5.5
Alg 1, Alg 2, Geom, & Trig	3,076	6	19.5	2.8	1,371	6	20.2	3.3	1,705	6	19.0	2.4
Alg 1, Alg 2, Geom, & Other Adv Math	8,902	18	20.2	3.5	3,405	15	20.6	3.7	5,492	21	19.9	3.3
Other comb of 4 or more years of Math	15,730	32	23.7	7.0	8,207	36	24.5	7.6	7,521	28	22.9	6.3
Alg 1, Alg 2, & Geom	7,510	15	17.5	0.8	3,338	15	17.9	1.0	4,162	16	17.3	0.7
Other comb of 3 or 3.5 years of Math	1,969	4	20.1	3.4	991	4	20.3	3.4	977	4	19.9	3.3
Less than 3 years of Math	3,229	7	16.7	-	1,509	7	16.9	-	1,717	6	16.6	-
Zero years / no Math courses reported	604	1	17.4	-	357	2	17.6	-	240	1	17.0	-
SOCIAL SCIENCE COURSE PATTERN	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹
US Hist, World Hist, Am Gov, & Other Hist	2,395	5	22.3	1.4	1,293	6	22.3	1.1	1,101	4	22.3	1.8
Other comb of 4 or more years Social Science	23,547	48	22.5	1.6	10,629	47	22.5	1.3	12,909	48	22.5	2.0
US Hist, World Hist, & Am Gov	5,835	12	20.1	-0.8	2,918	13	20.3	-0.9	2,912	11	19.9	-0.6
Other comb of 3 or 3.5 years of Social Science	13,956	28	21.8	0.9	5,952	26	21.8	0.6	7,997	30	21.8	1.3
Less than 3 years of Social Science	2,981	6	20.9	-	1,468	7	21.2	-	1,512	6	20.5	-
Zero years / no Social Science courses reported	508	1	17.6	-	312	1	17.6	-	189	1	17.6	-
NATURAL SCIENCE COURSE PATTERN	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹
Gen Sci ² , Bio, Chem, & Phys	18,866	38	22.6	2.9	9,441	42	23.4	3.5	9,421	35	21.8	2.2
Bio, Chem, Phys	4,305	9	23.1	3.4	2,105	9	24.2	4.3	2,198	8	22.0	2.4
Gen Sci ² , Bio, Chem	15,496	31	21.0	1.3	6,169	27	21.4	1.5	9,318	35	20.8	1.2
Other comb of 3 years of Natural Science	1,524	3	20.9	1.2	841	4	21.7	1.8	681	3	19.9	0.3
Less than 3 years of Natural Science	8,510	17	19.7	-	3,696	16	19.9	-	4,808	18	19.6	-
Zero years / no Natural Science courses reported	521	1	17.8	-	320	1	17.9	-	194	1	17.6	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took

less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

²Includes General, Physical and Earth Sciences.

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	N	State			National			
		Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	15,603	32	22.3	78	380,162	23	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	31,018	63	21.3	72	1,178,400	71	20.5	67
Less than 4 years of English	2,120	4	18.1	53	64,748	4	16.5	41
Zero years / no English courses reported	481	1	16.3	39	42,707	3	16.5	40
MATHEMATICS COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	2,451	5	23.9	68	108,668	7	24.0	69
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,751	12	22.4	63	151,050	9	22.0	58
Alg 1, Alg 2, Geom, & Trig	3,076	6	19.5	34	115,739	7	19.6	34
Alg 1, Alg 2, Geom, & Other Adv Math	8,902	18	20.2	38	279,658	17	19.9	36
Other comb of 4 or more years of Math	15,730	32	23.7	67	585,086	35	23.6	66
Alg 1, Alg 2, & Geom	7,510	15	17.5	12	228,058	14	17.3	12
Other comb of 3 or 3.5 years of Math	1,969	4	20.1	38	82,509	5	19.9	35
Less than 3 years of Math	3,229	7	16.7	8	69,741	4	16.6	8
Zero years / no Math courses reported	604	1	17.4	17	45,508	3	18.2	22
SOCIAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark
US Hist, World Hist, Am Gov, & Other Hist	2,395	5	22.3	58	47,179	3	22.3	59
Other comb of 4 or more years Social Science	23,547	48	22.5	61	887,744	53	21.9	56
US Hist, World Hist, & Am Gov	5,835	12	20.1	43	84,563	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	13,956	28	21.8	56	452,172	27	21.2	51
Less than 3 years of Social Science	2,981	6	20.9	48	149,266	9	19.7	40
Zero years / no Social Science courses reported	508	1	17.6	26	45,093	3	17.8	29
NATURAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark
Gen Sci ¹ , Bio, Chem, & Phys	18,866	38	22.6	43	740,499	44	21.9	39
Bio, Chem, Phys	4,305	9	23.1	47	171,734	10	23.0	47
Gen Sci ¹ , Bio, Chem	15,496	31	21.0	28	466,992	28	20.0	22
Other comb of 3 years of Natural Science	1,524	3	20.9	28	45,992	3	19.5	20
Less than 3 years of Natural Science	8,510	17	19.7	18	194,661	12	18.4	13
Zero years / no Natural Science courses reported	521	1	17.8	13	46,139	3	17.9	14

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Tables within this section have been changed to reflect the updated Educational Major categories implemented by ACT in the fall of 2010.

Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans

Planned Educational Major ¹	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ²	Percent ³	Avg ACT Comp	N	Percent ³	Avg ACT Comp	N	Percent ³	Avg ACT Comp
Agriculture & Natural Resources Conservation	1,159	2	19.9	121	5	17.1	984	2	20.3
Architecture	651	1	21.9	30	1	18.4	587	1	22.1
Area, Ethnic, & Multidisciplinary Studies	50	0	23.3	0	0	.	48	0	23.2
Arts: Visual & Performing	3,595	7	20.9	220	8	17.3	3,177	7	21.3
Business	4,522	9	21.2	263	10	17.0	4,043	9	21.6
Communications	1,128	2	21.9	23	1	17.8	1,053	2	22.0
Community, Family, & Personal Services	1,275	3	19.4	159	6	17.2	1,042	2	19.8
Computer Science & Mathematics	1,249	3	22.7	100	4	18.9	1,088	3	23.1
Education	3,775	8	21.0	87	3	17.7	3,577	8	21.2
Engineering	2,839	6	24.1	99	4	17.2	2,602	6	24.4
Engineering Technology & Drafting	819	2	21.6	90	3	17.0	688	2	22.4
English & Foreign Languages	614	1	24.3	12	0	18.6	579	1	24.4
Health Administration & Assisting	1,593	3	18.7	152	6	17.1	1,359	3	19.0
Health Sciences & Technologies	9,613	20	21.6	411	16	17.8	8,853	20	21.9
Philosophy, Religion, & Theology	281	1	22.2	8	0	19.1	259	1	22.4
Repair, Production, & Construction	620	1	18.0	296	11	17.5	269	1	18.7
Sciences: Biological & Physical	2,623	5	23.8	28	1	18.5	2,496	6	23.9
Social Sciences & Law	3,669	7	21.9	89	3	17.3	3,425	8	22.1
Undecided	8,272	17	22.2	399	15	17.7	6,995	16	22.5
No Response	866	2	17.2	51	2	15.4	167	0	19.1

¹Refer to the section header on page 25 for a description of educational major changes.²2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, therefore they may not add up to the N count for All Students.³Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Table 4.2. Average ACT Composite Scores for Racial/Ethnic¹ Groups by Post-Secondary Educational Aspirations

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Black/African American		American Indian/ Alaska Native		White		Hispanic/Latino	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	666	17.4	127	14.5	3	19.7	460	18.4	27	16.9
2-yr College Degree	1,975	17.5	275	14.7	15	14.7	1,447	18.1	100	16.7
Bachelors Degree	25,496	20.7	3,076	16.7	114	19.4	19,438	21.4	975	19.7
Graduate Study	7,425	24.0	640	18.8	26	22.1	5,837	24.6	256	23.3
Prof. Level Degree	10,375	23.8	1,470	18.9	45	22.2	7,146	24.8	452	22.3
Other	768	18.4	127	15.1	5	16.6	512	19.3	36	17.1
No Response	2,517	20.0	538	15.2	10	14.1	1,463	22.0	187	17.0

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Asian		Native Hawaiian/ Other Pacific Islander		Two or more races		Prefer not to respond/ No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	666	17.4	5	19.6	2	13.5	22	17.4	20	15.6
2-yr College Degree	1,975	17.5	24	16.7	7	15.1	47	17.9	60	17.2
Bachelors Degree	25,496	20.7	322	20.1	45	19.5	817	20.1	709	20.7
Graduate Study	7,425	24.0	131	25.2	11	21.7	255	22.9	269	24.5
Prof. Level Degree	10,375	23.8	414	26.1	15	23.3	397	23.1	436	24.6
Other	768	18.4	16	17.9	0	.	33	18.0	39	19.2
No Response	2,517	20.0	66	22.1	7	15.7	63	21.2	183	20.6

¹Refer to the section header on page 25 for a description of race/ethnicity changes.

Table 4.3. Students' Score Report Preferences at Time of Testing

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges							
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36	
UNIV OF MISSOURI-COLUMBIA	Missouri	9,403	4,098	5,305	0	4	15	30	31	18	2	
MISSOURI STATE UNIVERSITY	Missouri	7,142	2,427	4,715	1	5	23	36	25	10	1	
UNIVERSITY OF CENTRAL MISSOURI	Missouri	3,529	1,198	2,331	1	9	29	35	19	6	0	
SOUTHEAST MISSOURI STATE UNIVERSITY	Missouri	3,095	1,130	1,965	1	8	27	32	23	8	0	
UNIV OF MISSOURI-KANSAS CITY	Missouri	2,792	805	1,987	1	9	19	29	26	15	1	
NORTHWEST MISSOURI ST UNIV	Missouri	2,569	914	1,655	1	7	27	36	22	7	1	
TRUMAN STATE UNIVERSITY	Missouri	2,384	655	1,729	0	2	10	26	35	24	3	
MISSOURI UNIV OF SCIENCE & TECHNOLOGY	Missouri	1,741	760	981	0	2	7	20	36	30	5	
SAINT LOUIS UNIVERSITY	Missouri	1,650	436	1,214	1	6	14	23	30	22	3	
LINDEWOOD UNIVERSITY	Missouri	1,649	566	1,083	1	9	26	37	19	7	0	
MISSOURI WESTERN STATE UNIVERSITY	Missouri	1,505	560	945	2	12	34	32	15	5	0	
UNIVERSITY OF MISSOURI-ST LOUIS	Missouri	1,480	338	1,142	2	9	26	30	22	9	1	
MISSOURI SOUTHERN STATE UNIV	Missouri	1,230	389	841	1	10	32	32	18	7	0	
COLLEGE OF THE OZARKS	Missouri	1,204	583	621	1	8	27	38	20	6	0	
UNIVERSITY OF KANSAS	Kansas	1,175	325	850	1	5	14	29	27	21	2	
DRURY UNIVERSITY	Missouri	1,097	266	831	1	4	19	32	28	15	1	
WASHINGTON UNIVERSITY IN ST LOUIS	Missouri	1,097	252	845	1	5	10	17	24	35	8	
NCAA ELIGIBILITY CENTER	Indiana	1,083	566	517	1	6	23	33	23	13	1	
OZARKS TECHNICAL COMMUNITY COLLEGE	Missouri	1,061	392	669	1	10	36	34	16	3	0	
UNIVERSITY OF ARKANSAS	Arkansas	1,039	339	700	0	3	12	30	35	19	1	
KANSAS STATE UNIVERSITY	Kansas	704	177	527	1	6	19	32	27	13	1	
SOUTHWEST BAPTIST UNIVERSITY	Missouri	667	199	468	1	5	23	35	25	10	1	
COLUMBIA COLLEGE	Missouri	662	202	460	2	11	30	34	19	4	0	
WEBSTER UNIVERSITY	Missouri	660	196	464	2	8	25	29	23	13	1	
MARYVILLE UNIV OF SAINT LOUIS	Missouri	621	173	448	1	4	20	34	31	10	0	
CENTRAL METHODIST UNIVERSITY	Missouri	620	197	423	1	7	27	40	19	6	0	
STATE-COLLEGE/NO REPORTS NOW	Iowa	611	611	0	4	16	23	22	18	10	7	
CROWDER COLLEGE	Missouri	595	246	349	2	11	36	30	17	4	0	
ST CHARLES COMMUNITY COLLEGE	Missouri	584	276	308	1	8	33	37	17	4	0	
LINCOLN UNIVERSITY	Missouri	579	206	373	6	30	34	20	8	2	0	
All Other Institutions		35,893	10,654	25,239	2	10	23	26	22	15	3	
Total		90,121	30,136	59,985	1	8	22	29	24	14	2	

Section V

Optional Writing Test Results

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity¹ and Gender for students who took ACT Writing

	N		English		Average ACT Scores		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	7,659	931,148	24.5	21.5	7.2	7.1	23.1	20.7
Black/African American	1,018	113,247	18.6	16.6	6.4	6.2	18.0	16.4
American Indian/Alaska Native	40	5,233	20.6	17.8	6.6	6.5	19.6	17.5
White	5,102	518,974	25.7	23.2	7.4	7.2	24.1	22.1
Hispanic/Latino	394	150,249	21.5	18.5	6.9	6.8	20.6	18.3
Asian	364	53,381	26.4	23.7	7.6	7.6	24.8	22.8
Native Hawaiian/Other Pac. Isl.	16	2,851	23.2	19.9	7.3	7.1	22.1	19.6
Two or more races	333	32,346	24.0	21.9	7.2	7.1	22.7	21.1
Prefer not/No Response	392	54,867	26.5	21.8	7.4	7.1	24.7	21.0
Males	3,354	413,617	24.5	21.2	7.0	6.8	22.8	20.3
Females	4,305	515,745	24.5	21.7	7.4	7.2	23.3	21.1
Missing	0	1,786	.	16.8	.	6.3	.	16.6

¹Refer to the section header on page 29 for a description of race/ethnicity changes.

